

AMENDMENTS

IN THE SPECIFICATION:

Please amend the specification to include the following abstract as separately numbered page 49 immediately following the claims.

ABSTRACT

Methods and compositions for performing homozygous gene inactivation assays are provided. Aspects of the methods include the use of a library of constructs that synthesize predefined nucleic acids, where each constituent predefined nucleic acid of the library is of known sequence that corresponds to a sequence of a chromosomal transcript. The subject methods and compositions find use in a variety of different applications, including the identification of novel diagnostic and therapeutic genetic targets.